

ppl. No. 09/964,412, Filed September 28, 2001
kt. No. 0609 4370004, Group Art Unit 1633
ventors: de la Monte *et al* , Tel: 202/371-2600
title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's Disease



1	tttttttttttggag	ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC	62
1		<u>M E F S L L L P R L E C N G A I</u>	16
63	TCA GCT CAC CGC AAC CTC CGC CTC CGG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA	122	
17	S A H R N L R L P G S S D S P A S A S P	36	
123	GTA GCT GCG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA	182	
37	V A G I T G M C T H A R L I L Y F F L V	56	
183	GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CGG ACC TCA GAT GAT CCC	242	
57	E M E F L H V G Q A G L E L P T S D D P	76	
243	TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC IGC CTG	302	
77	S V S A S Q S A R Y R T G H A R L C L	96	
303	GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC	362	
97	A N F C G R N R V S L M C P S W S P E L	116	
363	AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT	422	
117	K Q S T C L S L P K C W D Y R R A A V P	136	
423	GCC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT	482	
137	C L F I L F F L R H R C P T L T Q D E V	156	

FIG. 1A



483	CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC	542
157	Q W C D H S S L Q P S T P E I K H P P A	176
543	TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT	602
177	S A S Q V A G T K D M H H Y T W L I F I	196
603	TTT ATT TTT AAT TTT TTG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG	662
197	F I F N F L R Q S L N S V T Q A G V Q W	216
663	CGC AAT CTT CGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC	722
217	R N L G S L Q P L P P G F K L F S C P S	236
723	CTC CTG AGT AGC TGG GAC TAC AGC CGC CCA CGC CTA GCT AAT TTT TTT GTA TTT TTA	782
237	L L S S W D Y R R P P R L A N F F V F L	256
783	GTA GAG ATG GGG TTC ACC ATG TTC GCC AGG TTG ATC TTG ATC TCT GGA CCT TGT GAT CTG	842
257	V E M G F T M F A R L I L I S G P C D L	276
843	CCT GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT	902
277	P A S A S Q S A G I T G V S H A R L I	296
903	TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG	962
297	F N F C L F E M E S H S V T Q A G V Q W	316

FIG. 1B

Effective for the Treatment or Prevention of Alzheimer's Disease

FIG. 1C

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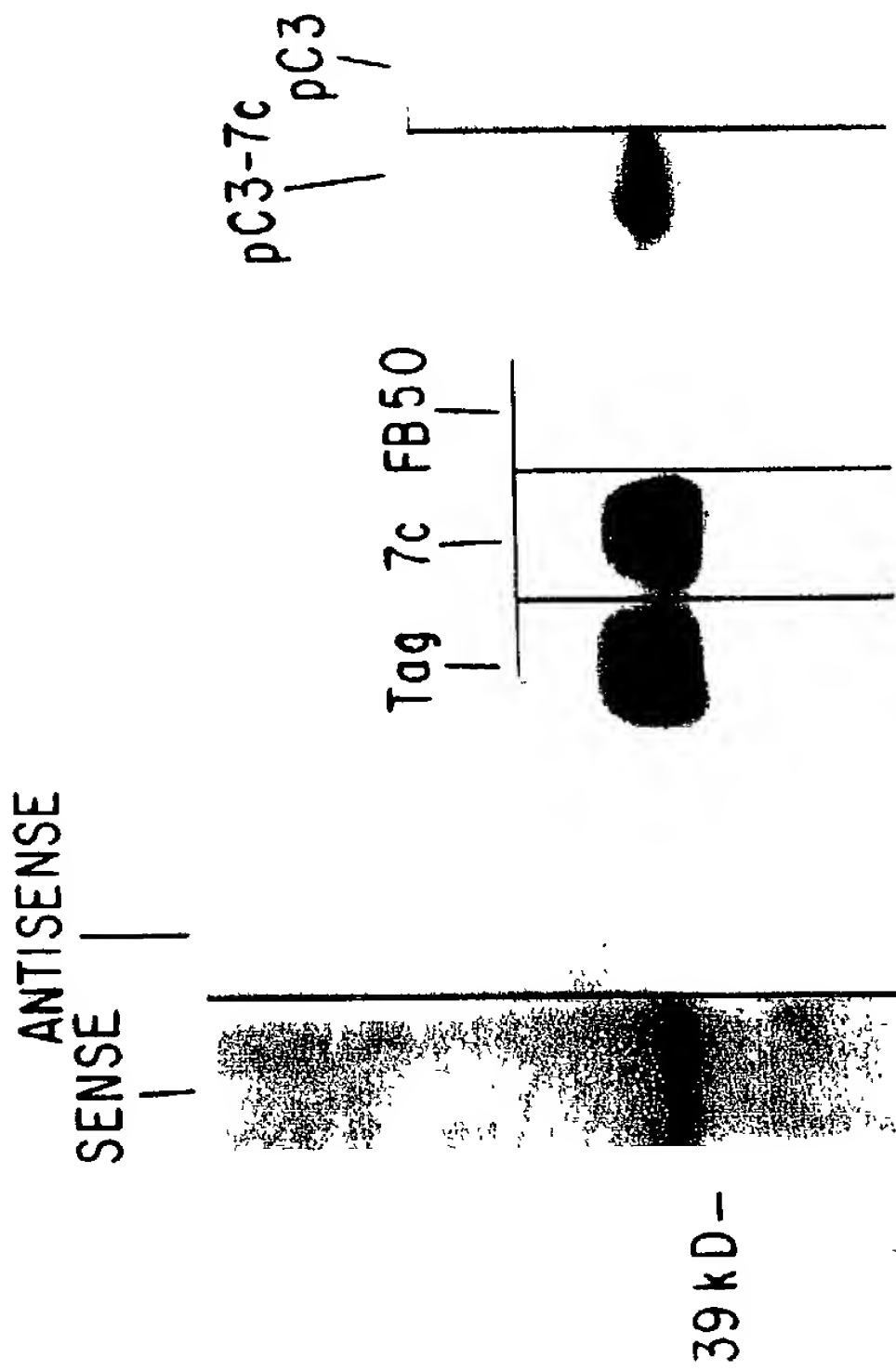
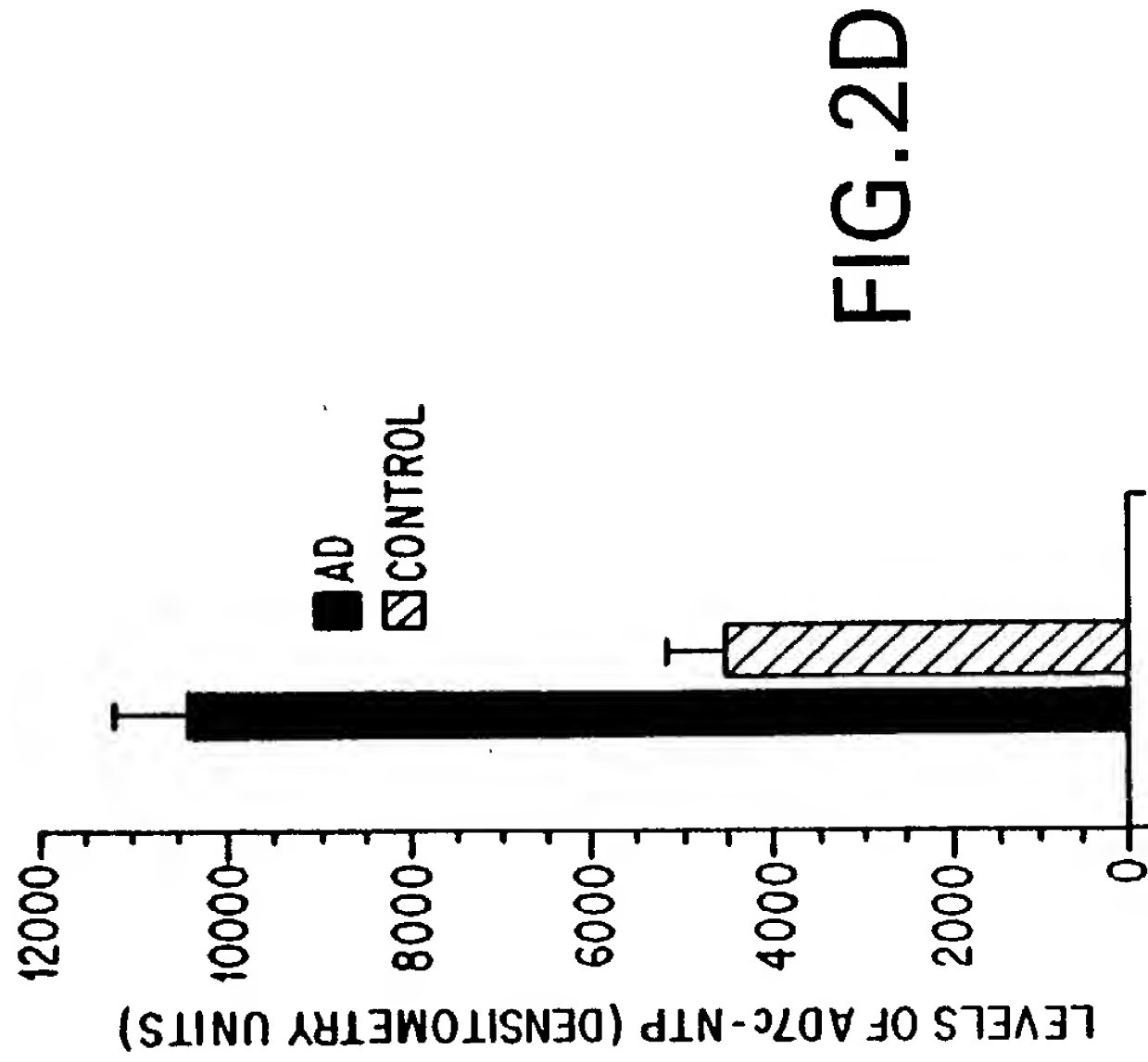
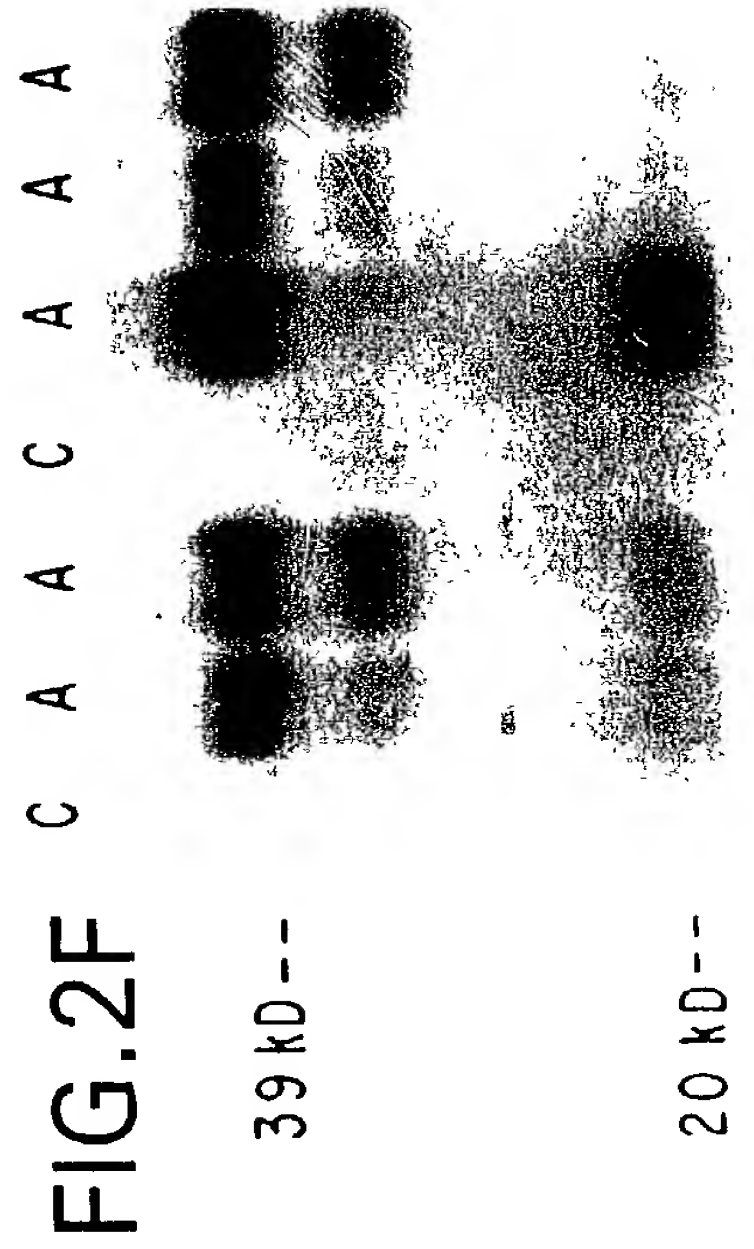
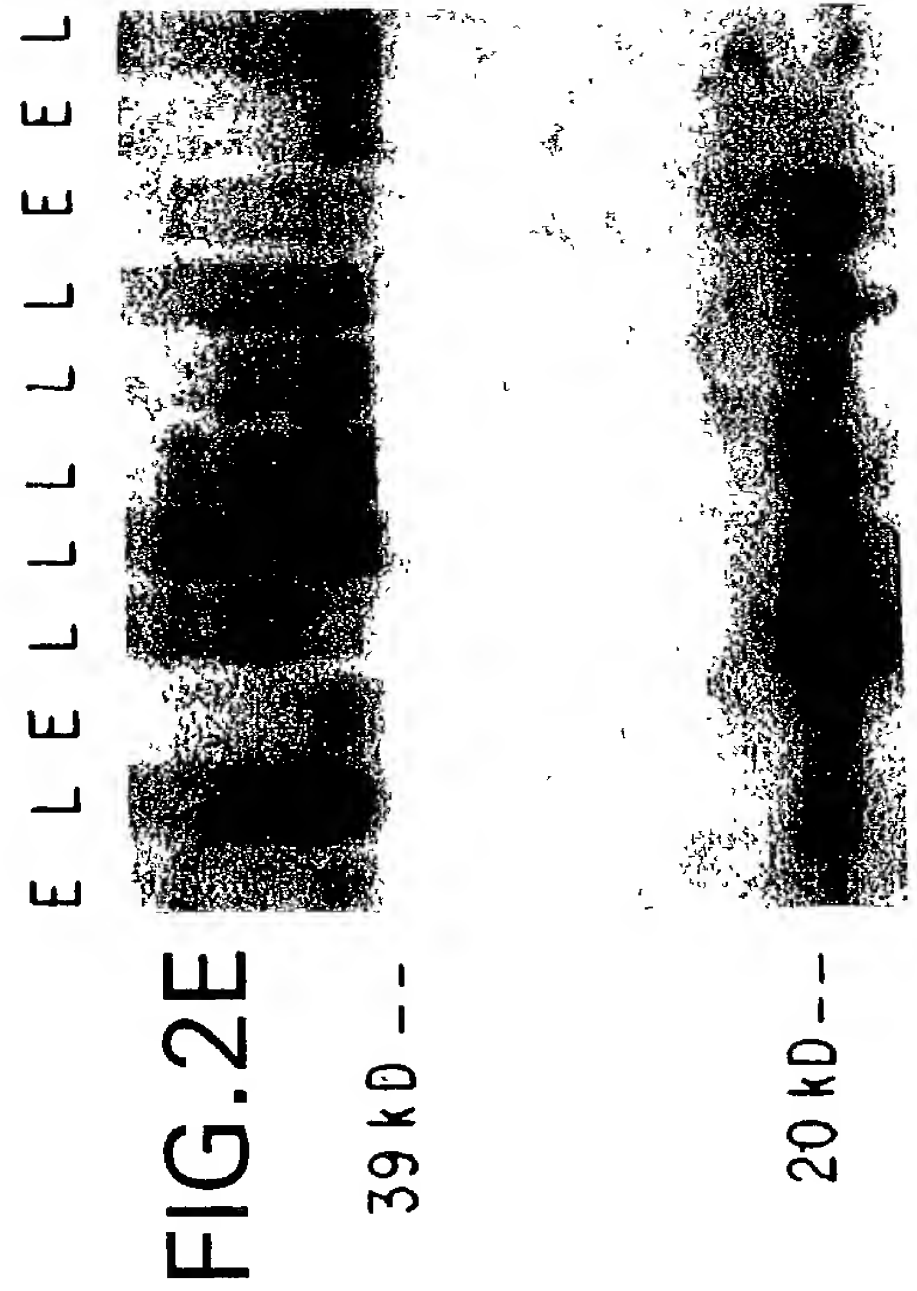


FIG. 2A FIG. 2B FIG. 2C



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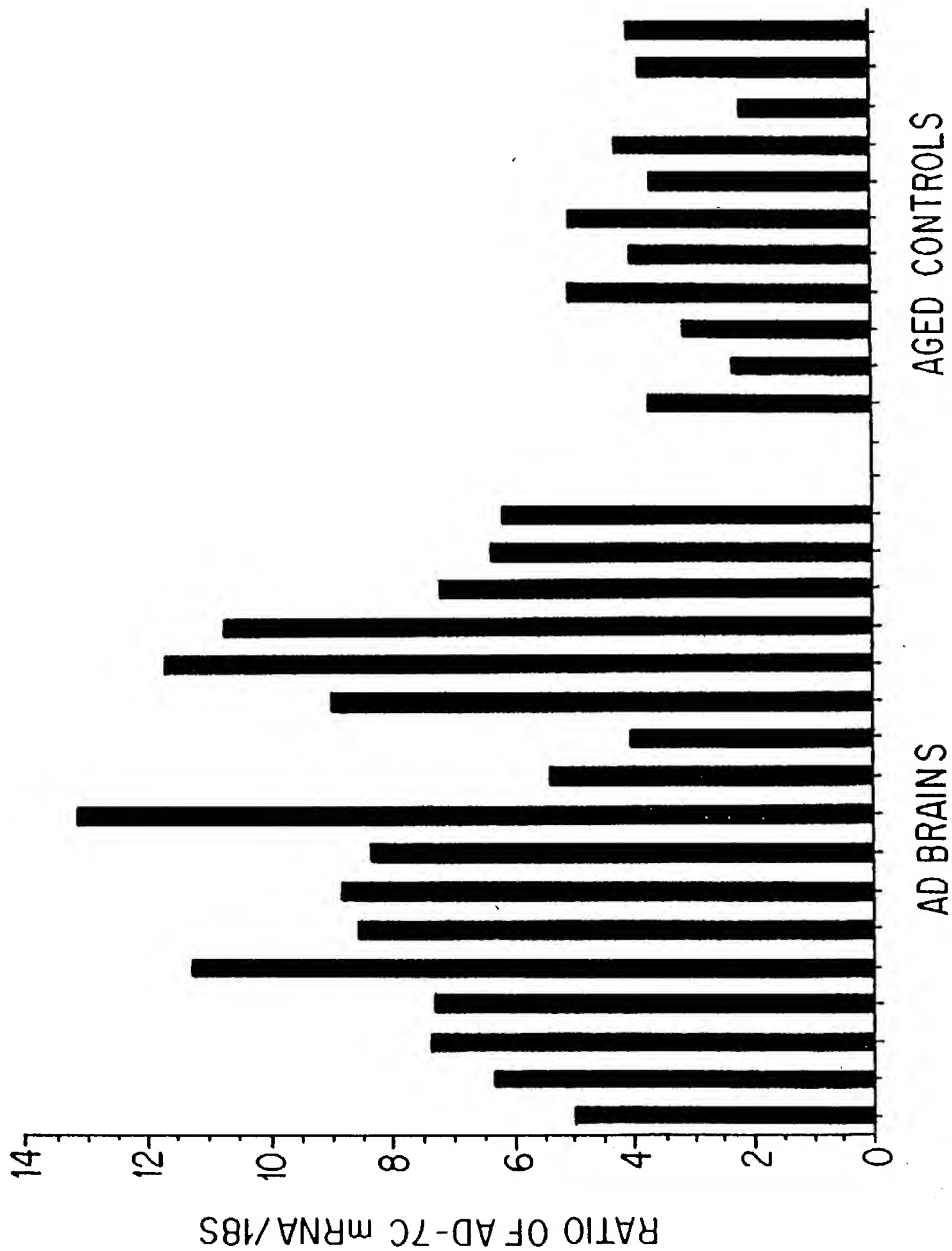


FIG. 3A

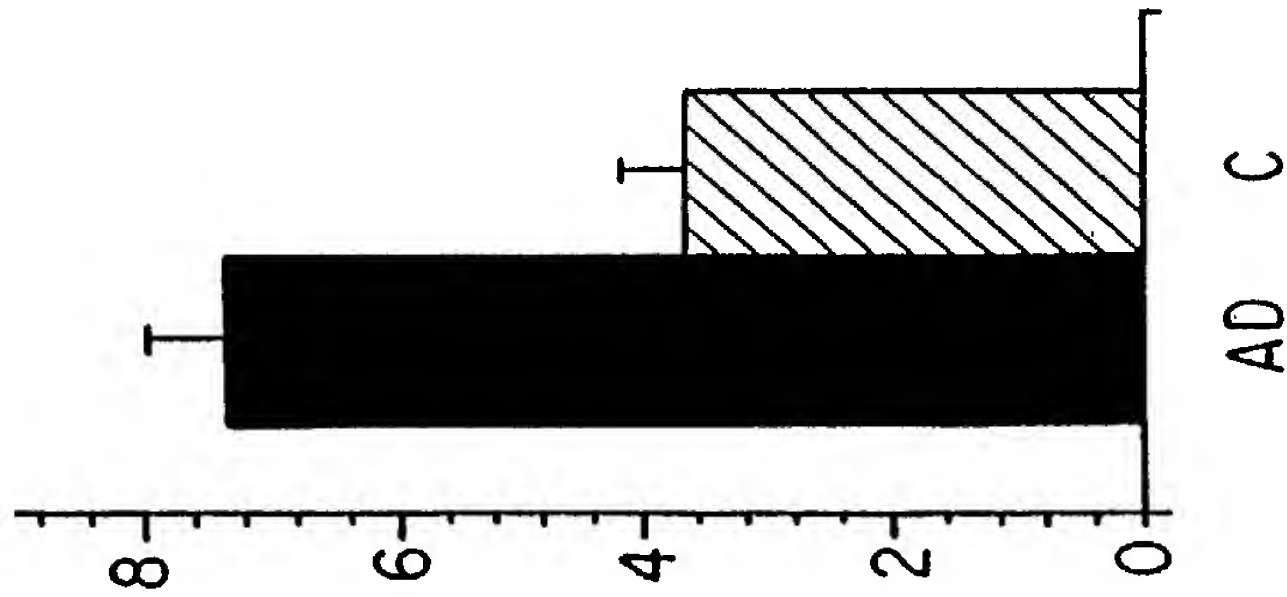


FIG. 3B

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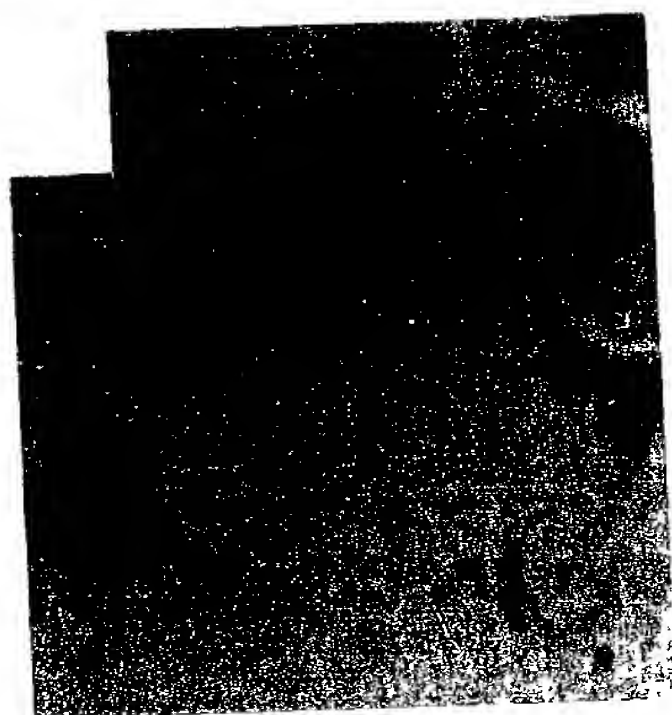
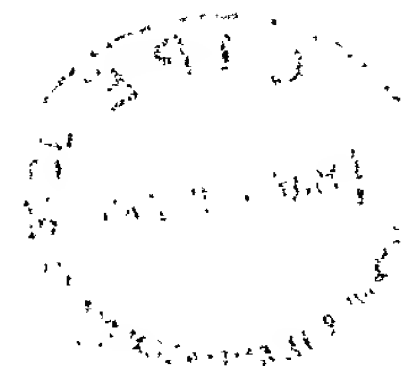


FIG.3C

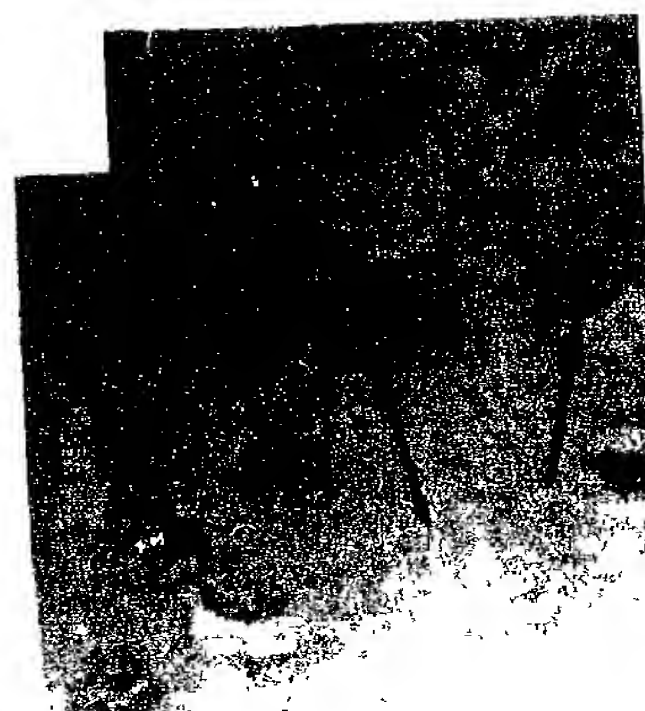


FIG.3D

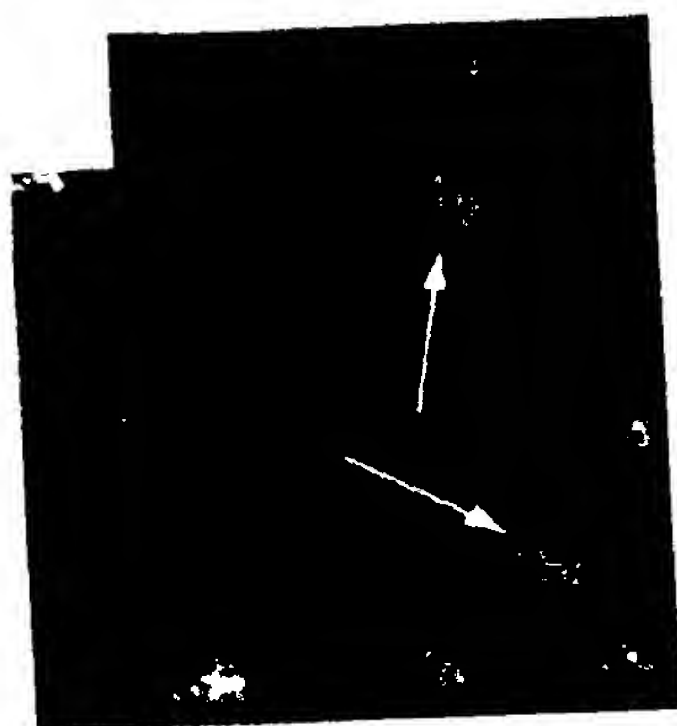


FIG.3E

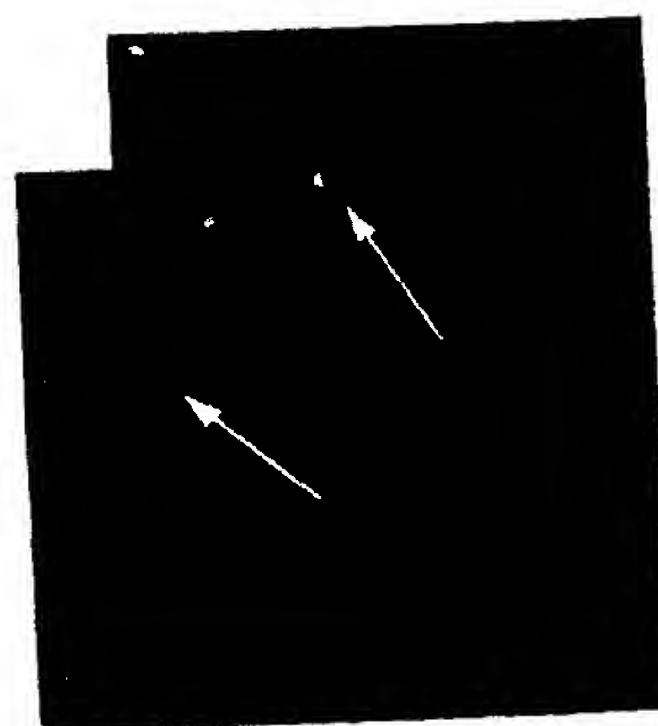


FIG.3F

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FIG. 4D

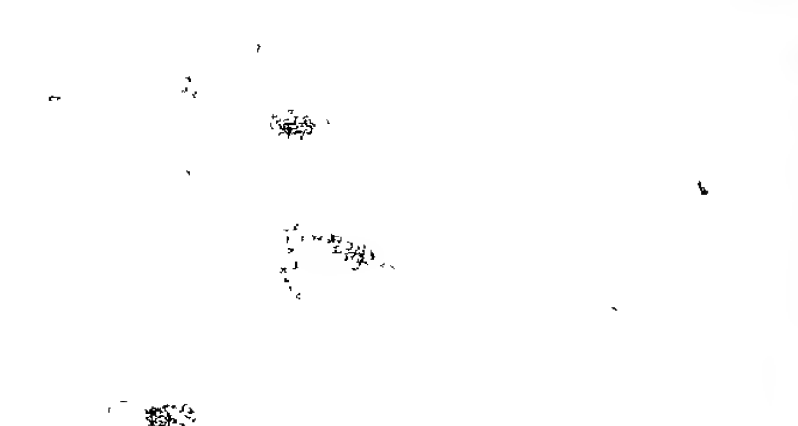


FIG. 4C

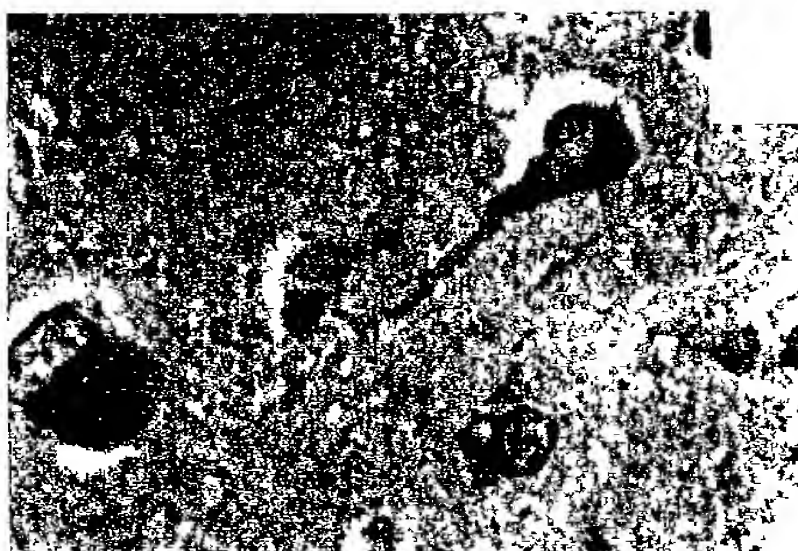


FIG. 4B

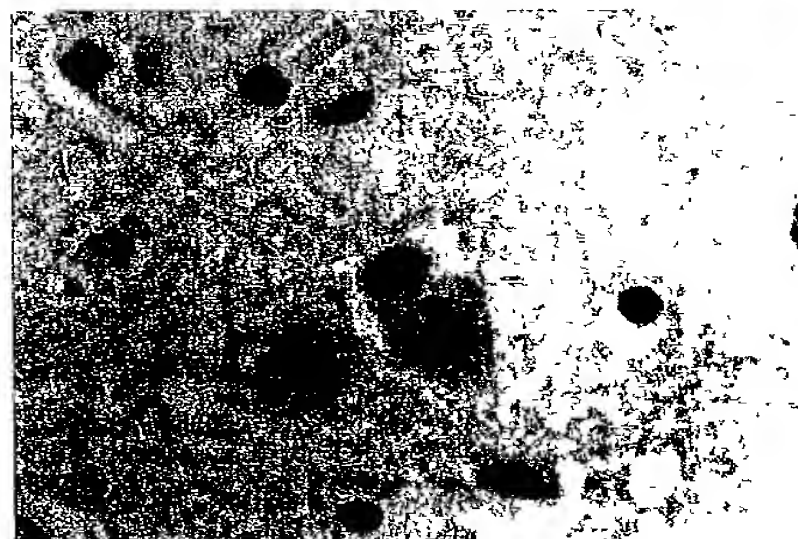


FIG. 4A



FIG. 4H

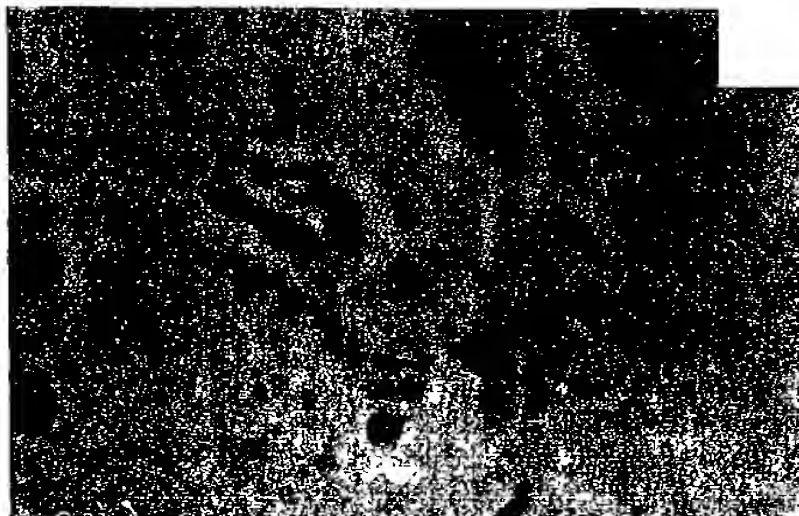


FIG. 4G

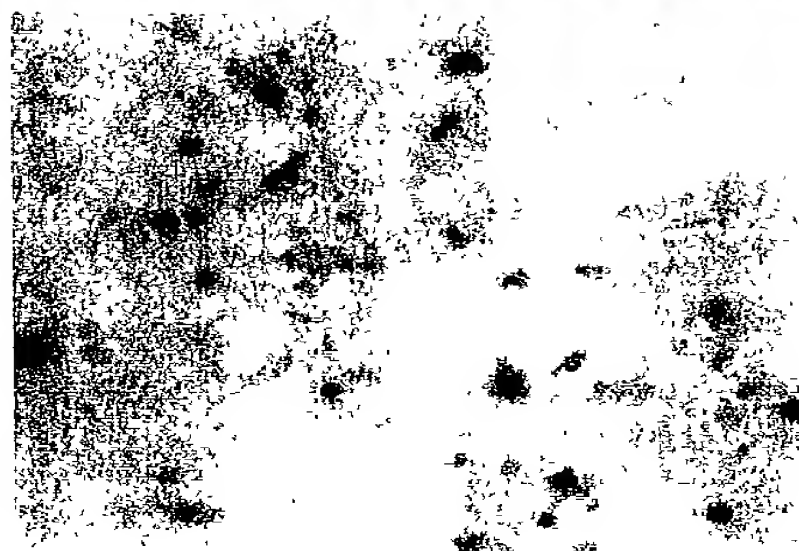


FIG. 4F

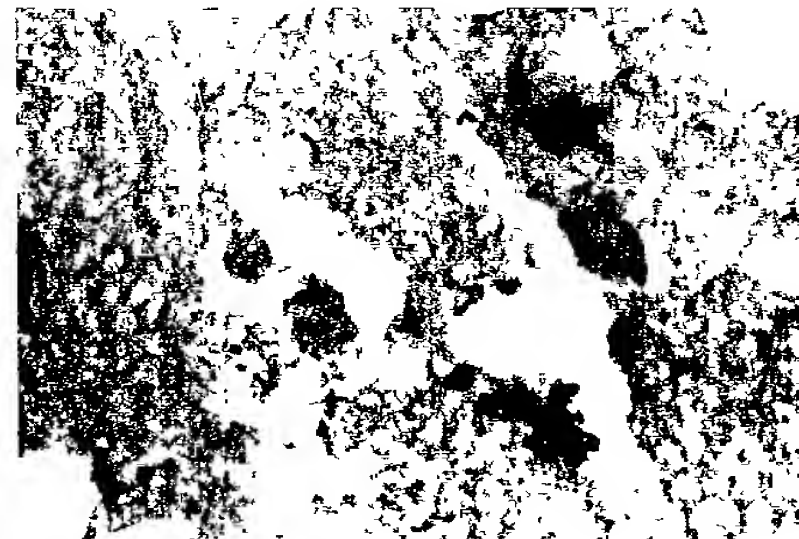


FIG. 4E



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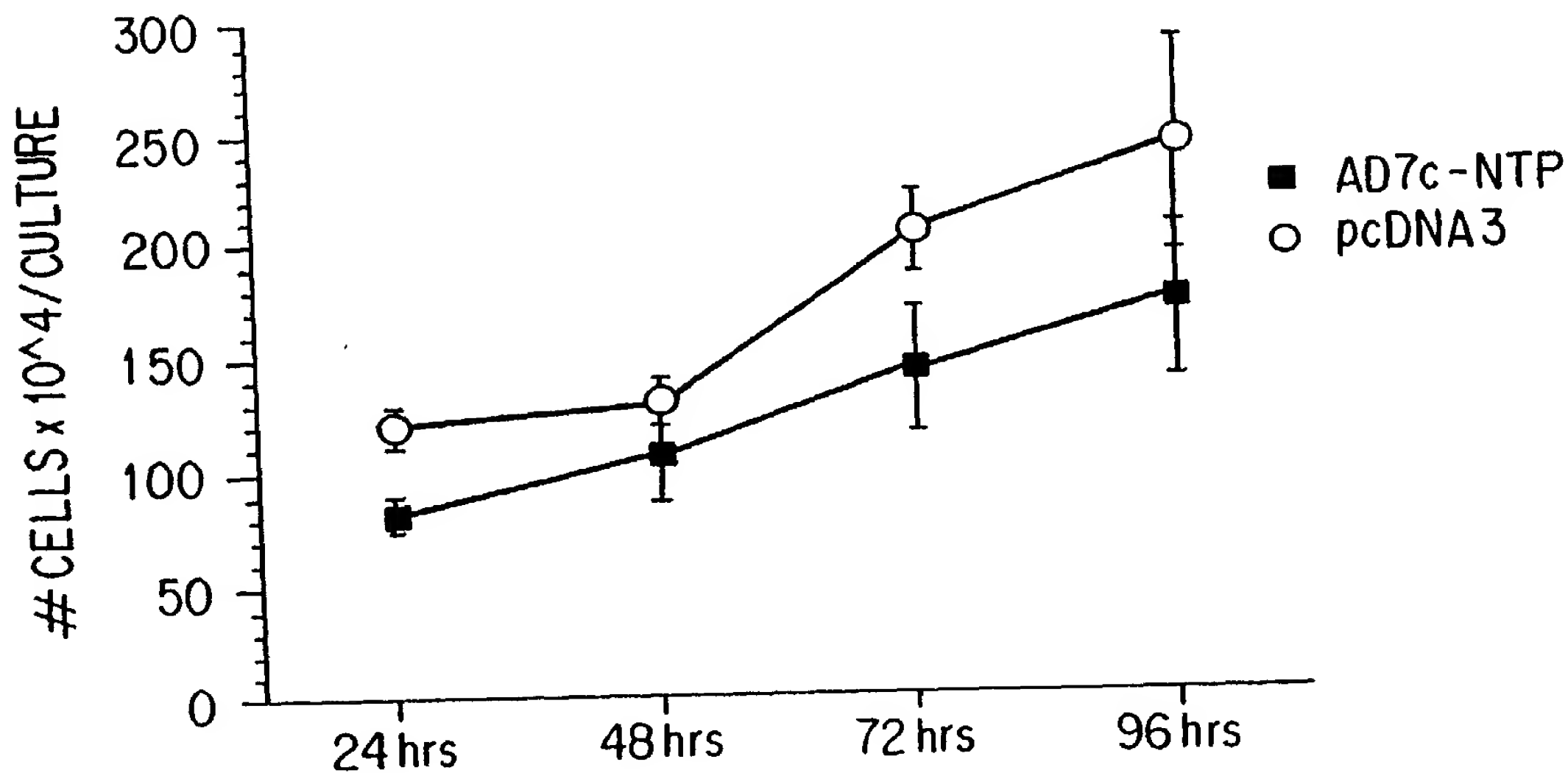
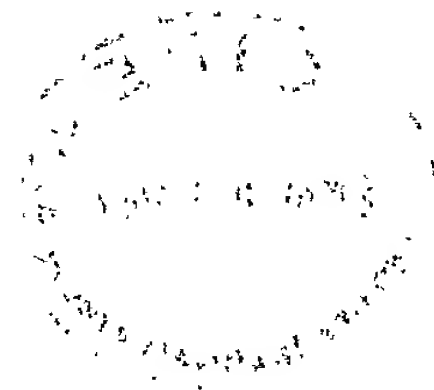


FIG. 5A

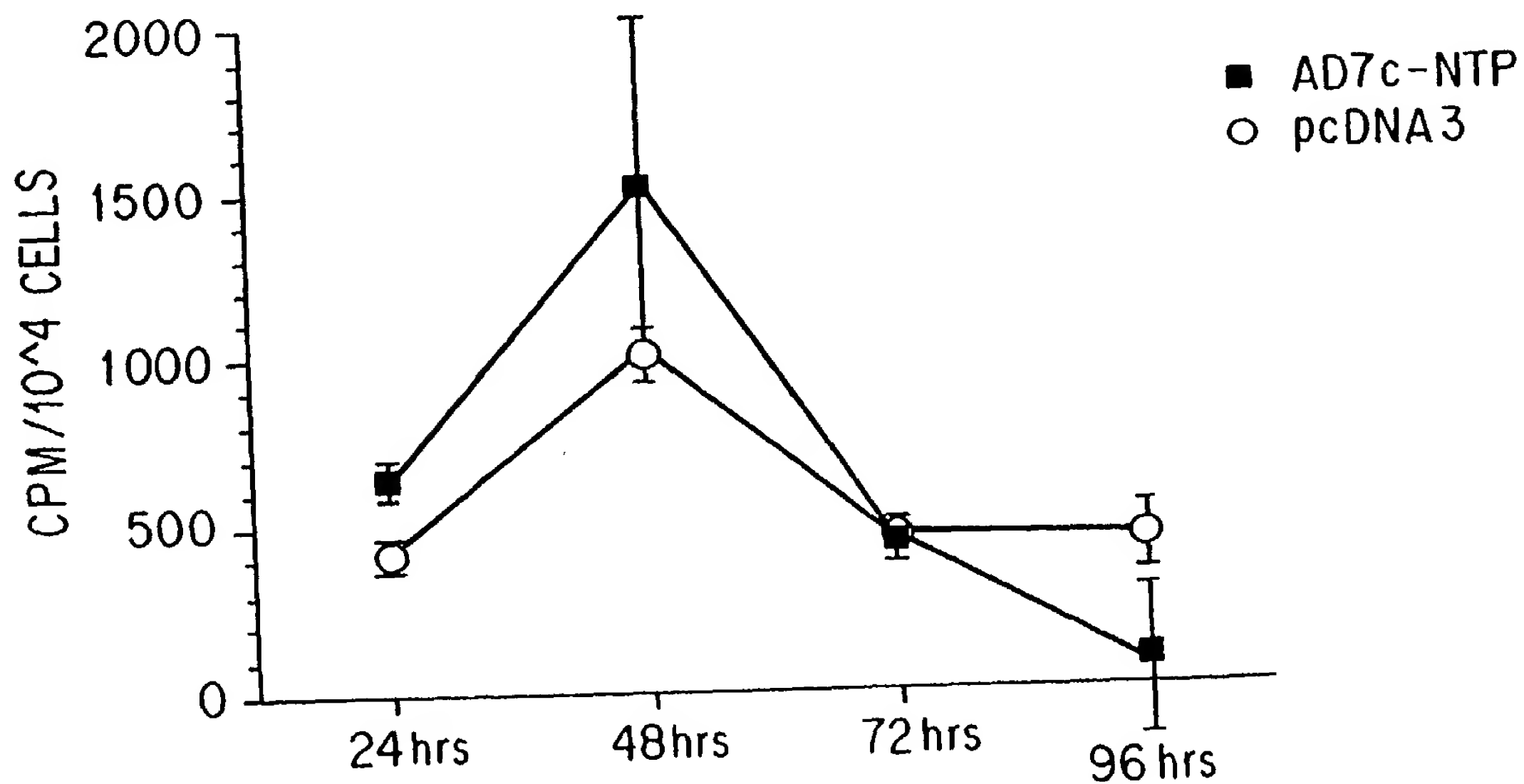
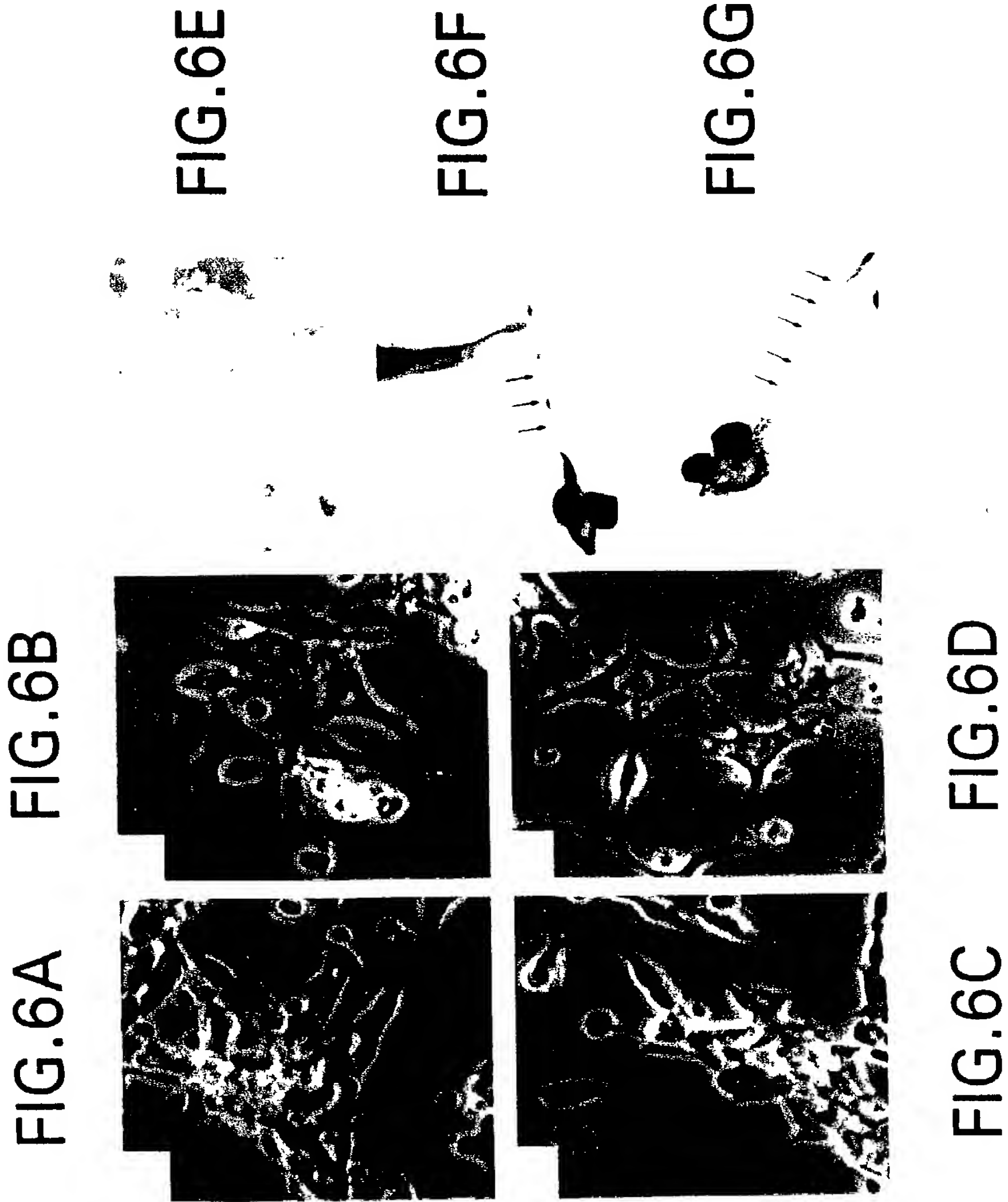
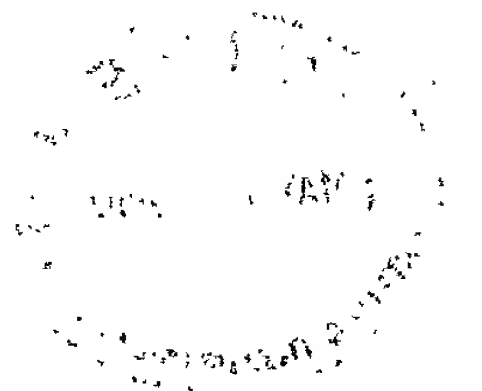
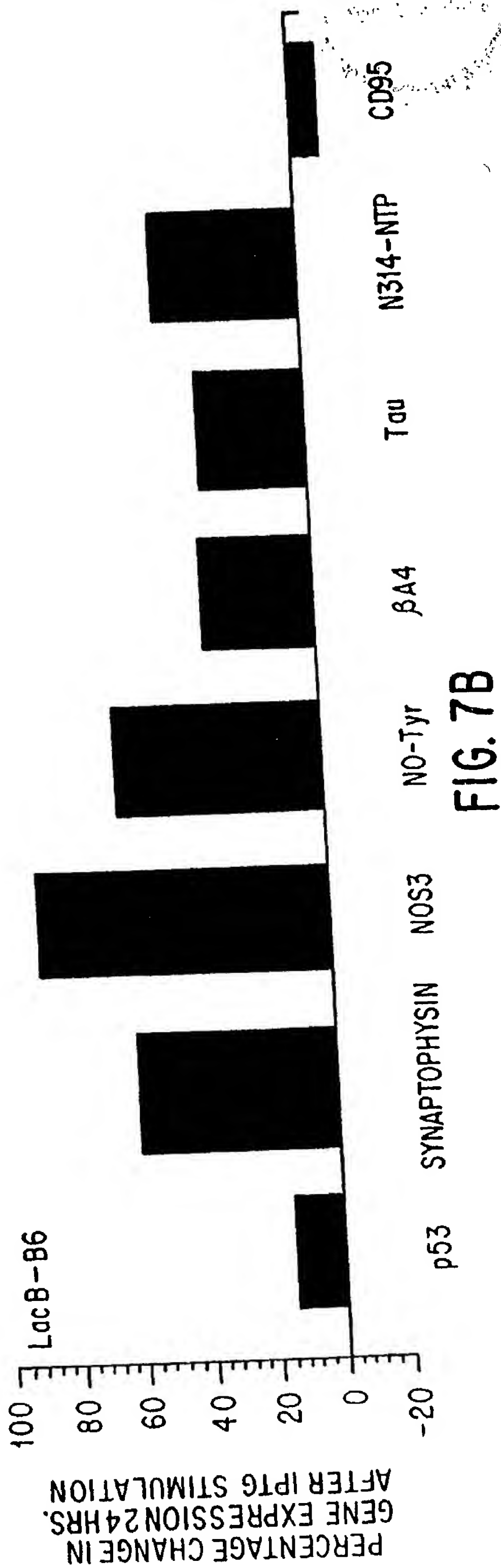
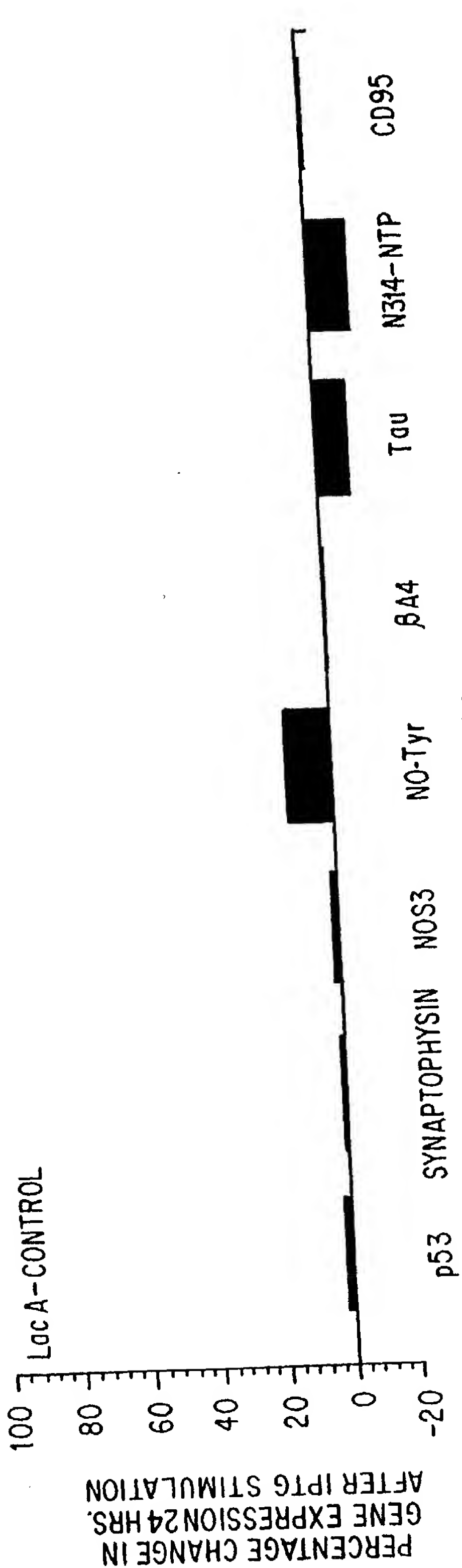


FIG. 5B

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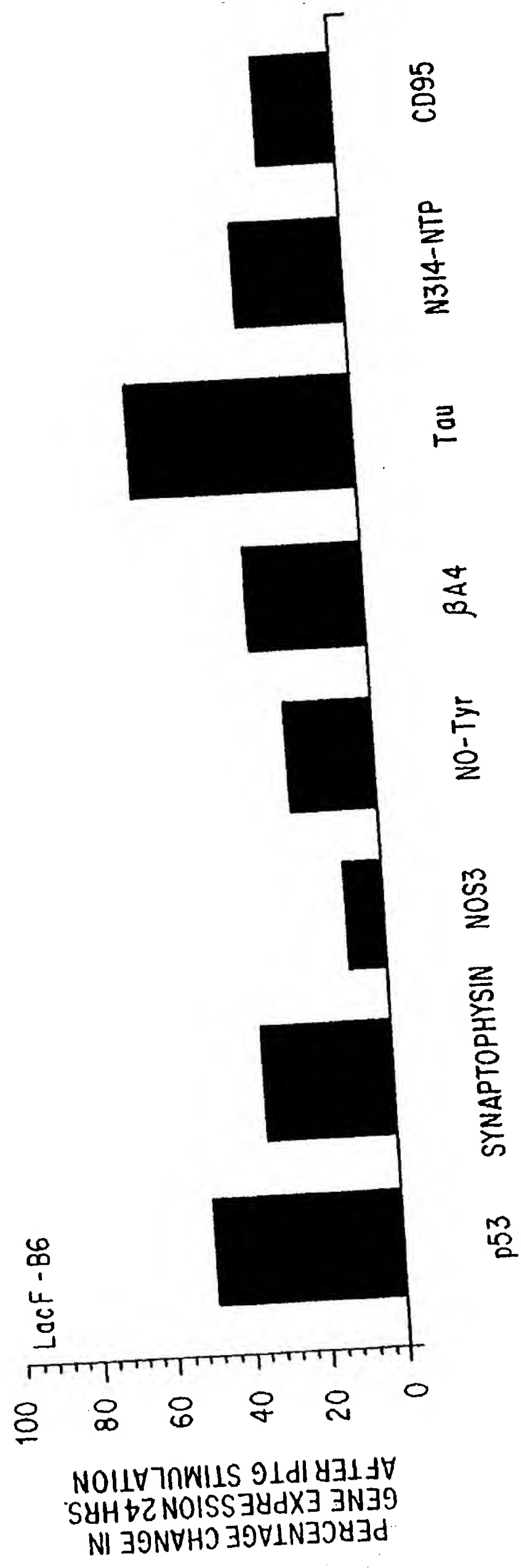


FIG. 7C

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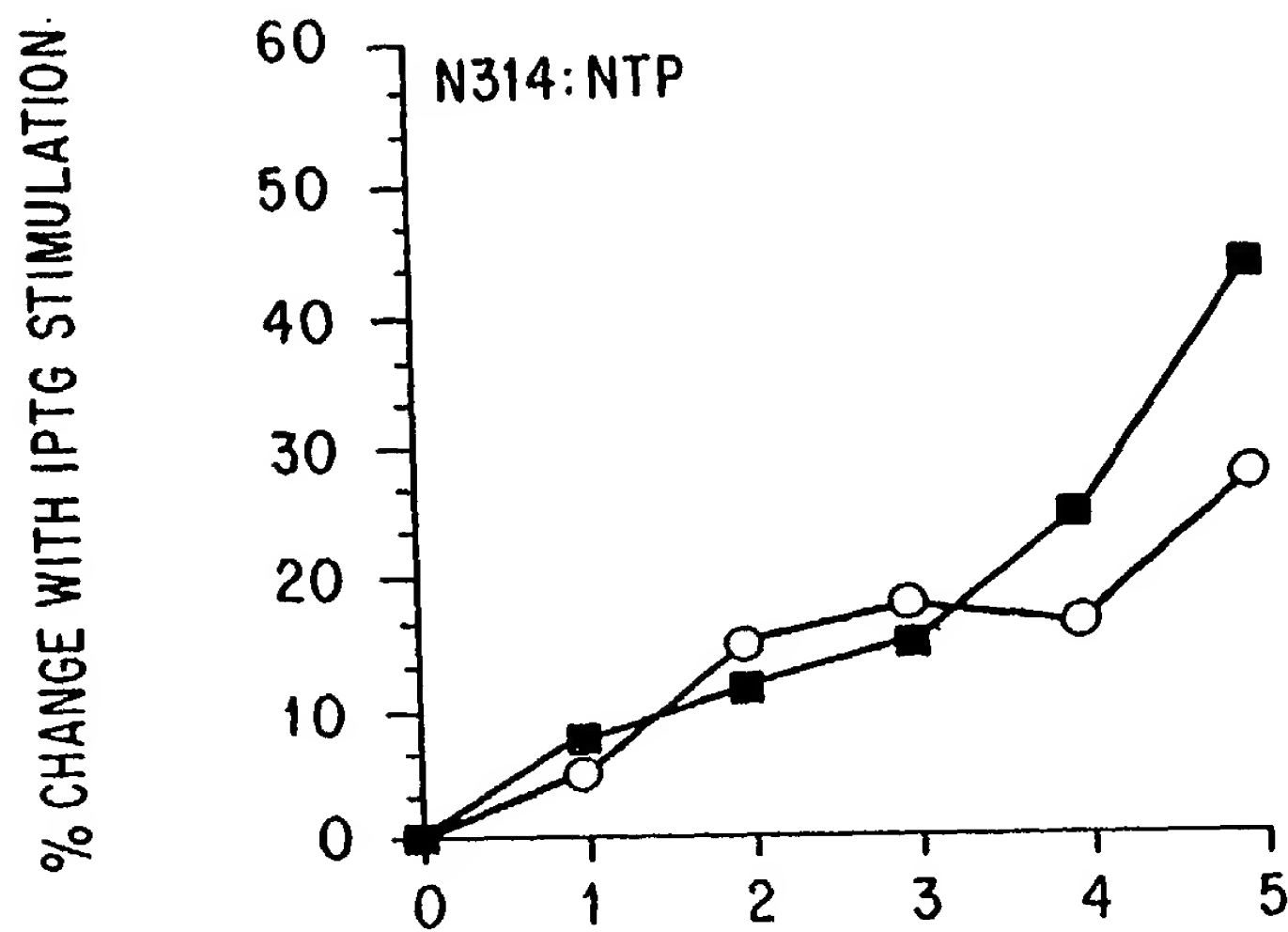


FIG. 8A

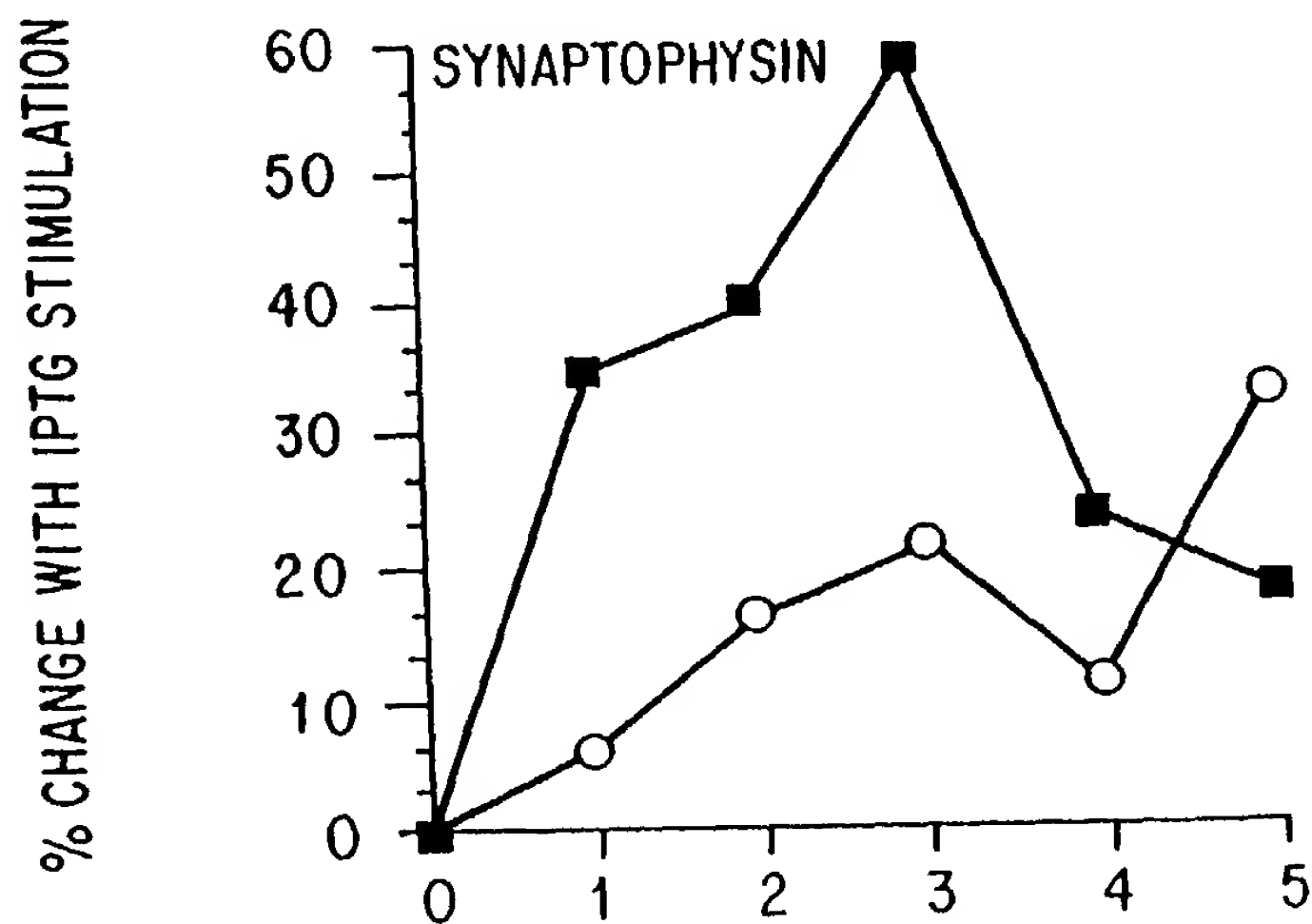


FIG. 8B

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% CHANGE WITH IPTG STIMULATION

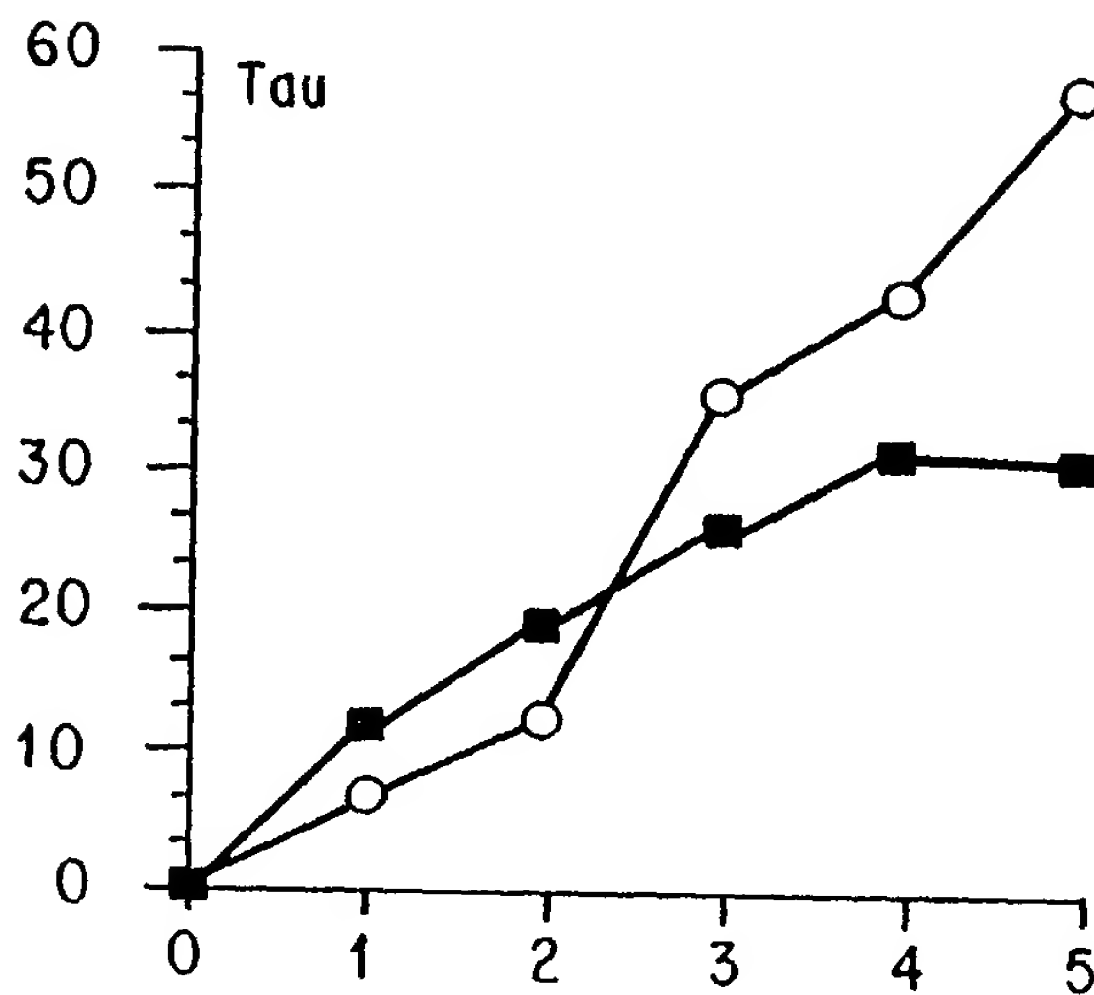


FIG. 8C

% CHANGE WITH IPTG STIMULATION

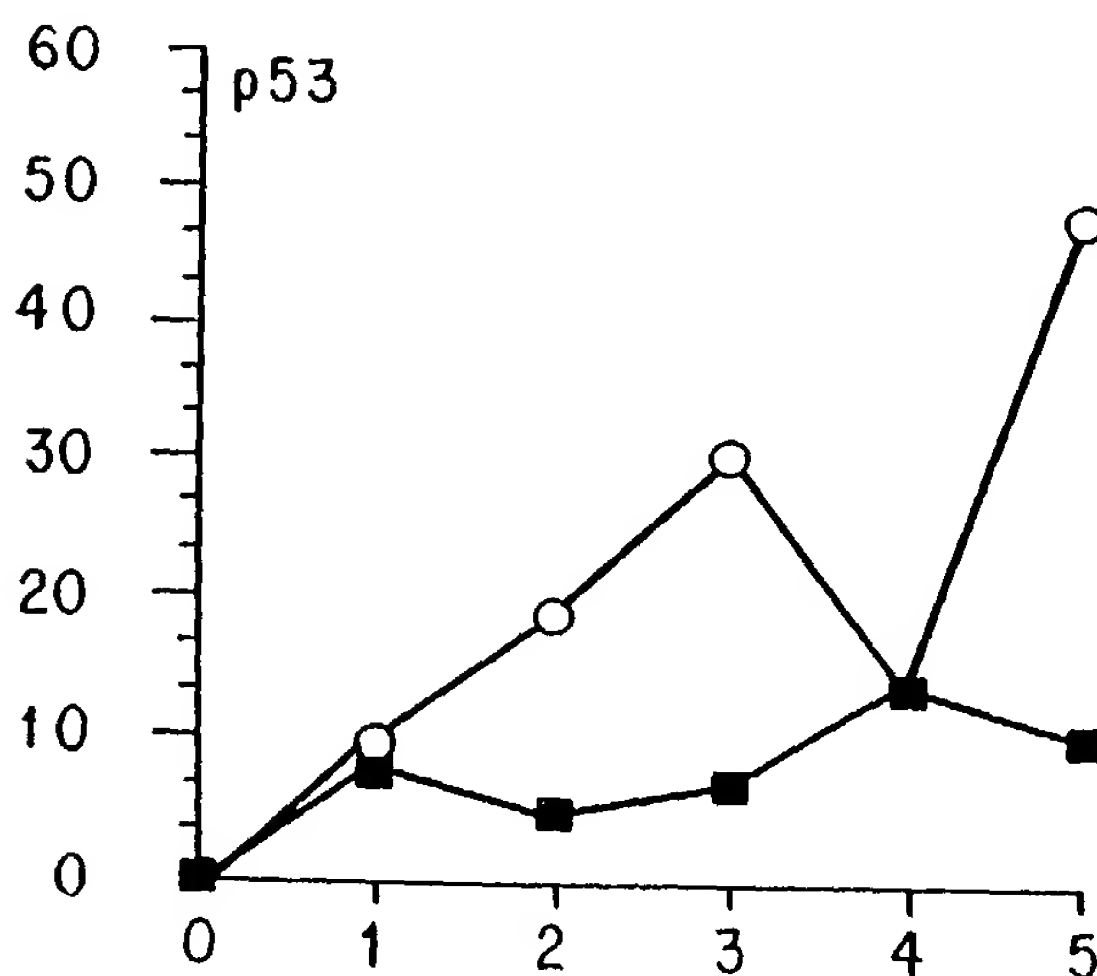


FIG. 8D

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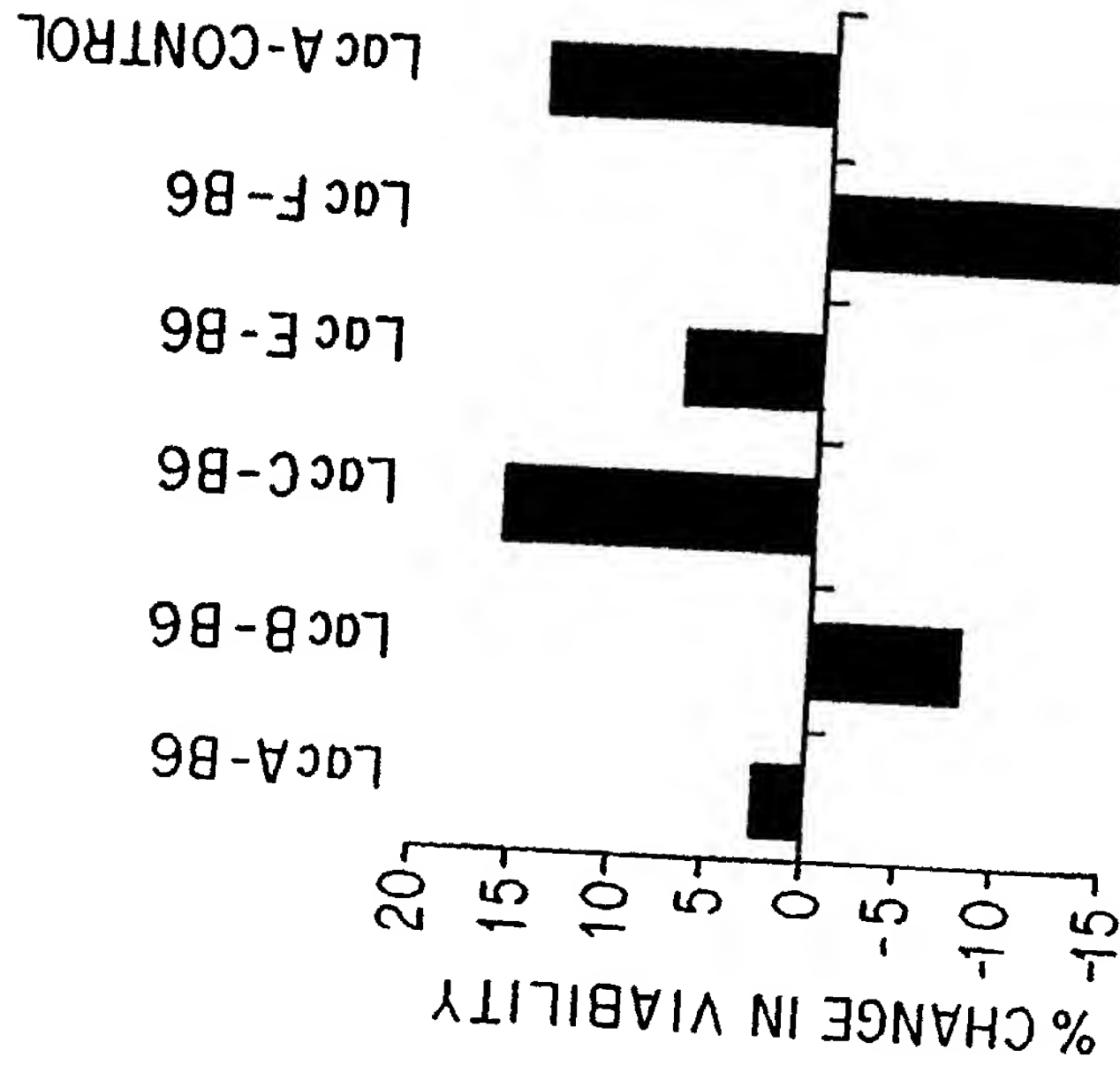


FIG. 9B

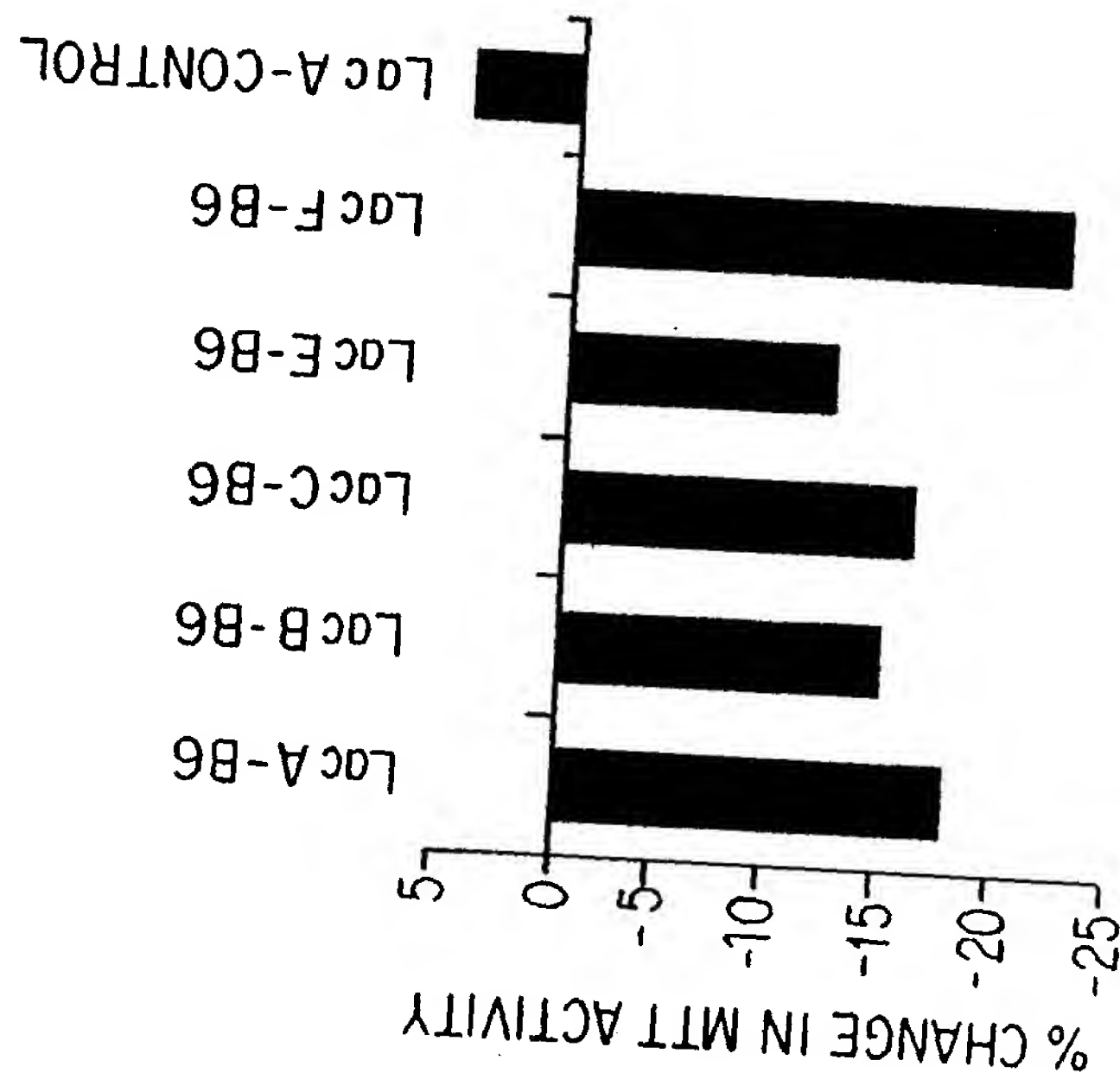


FIG. 9A

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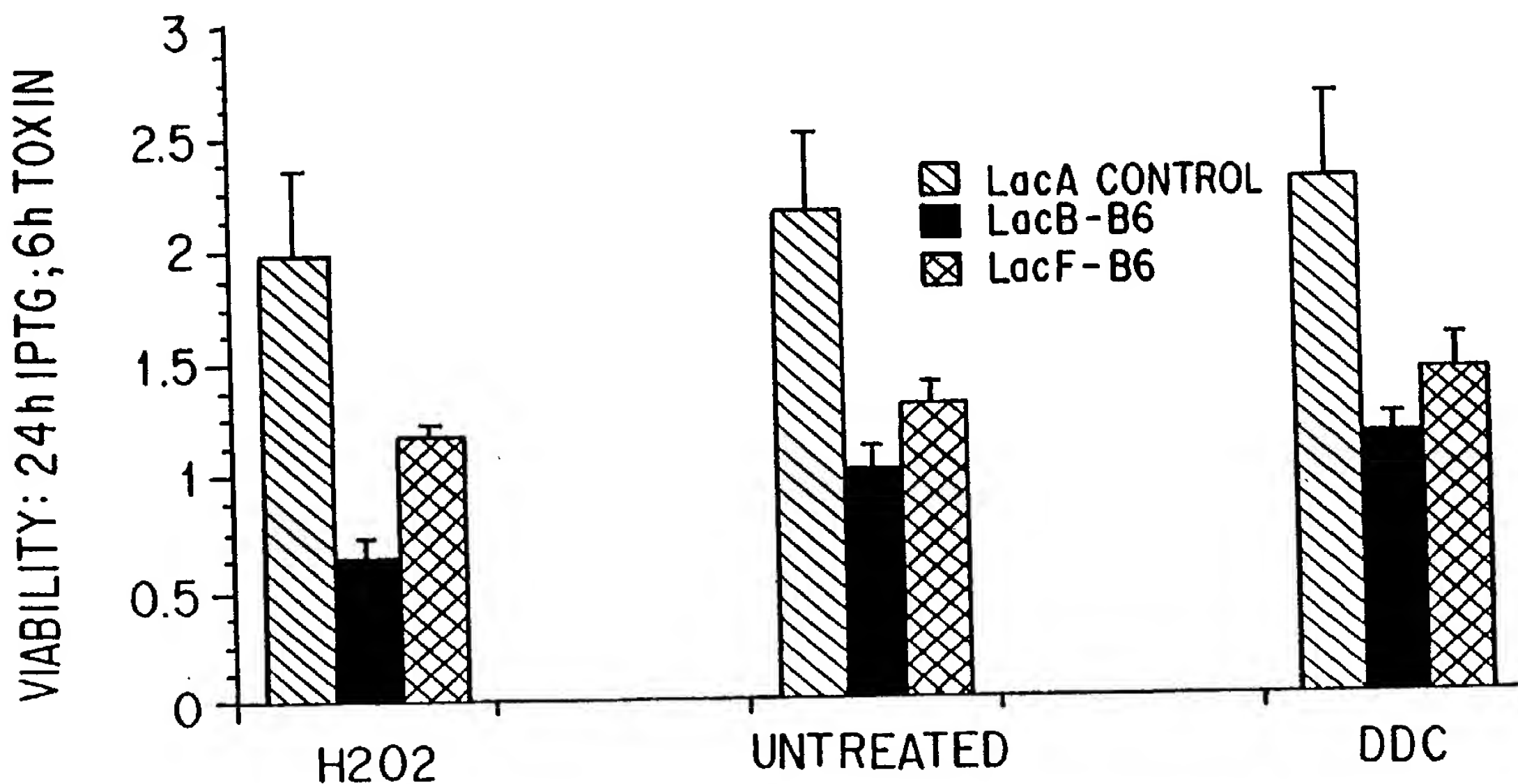
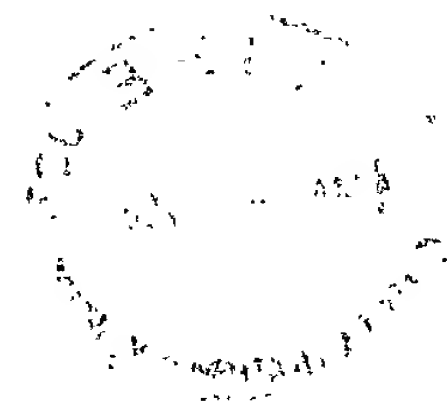


FIG. 10A

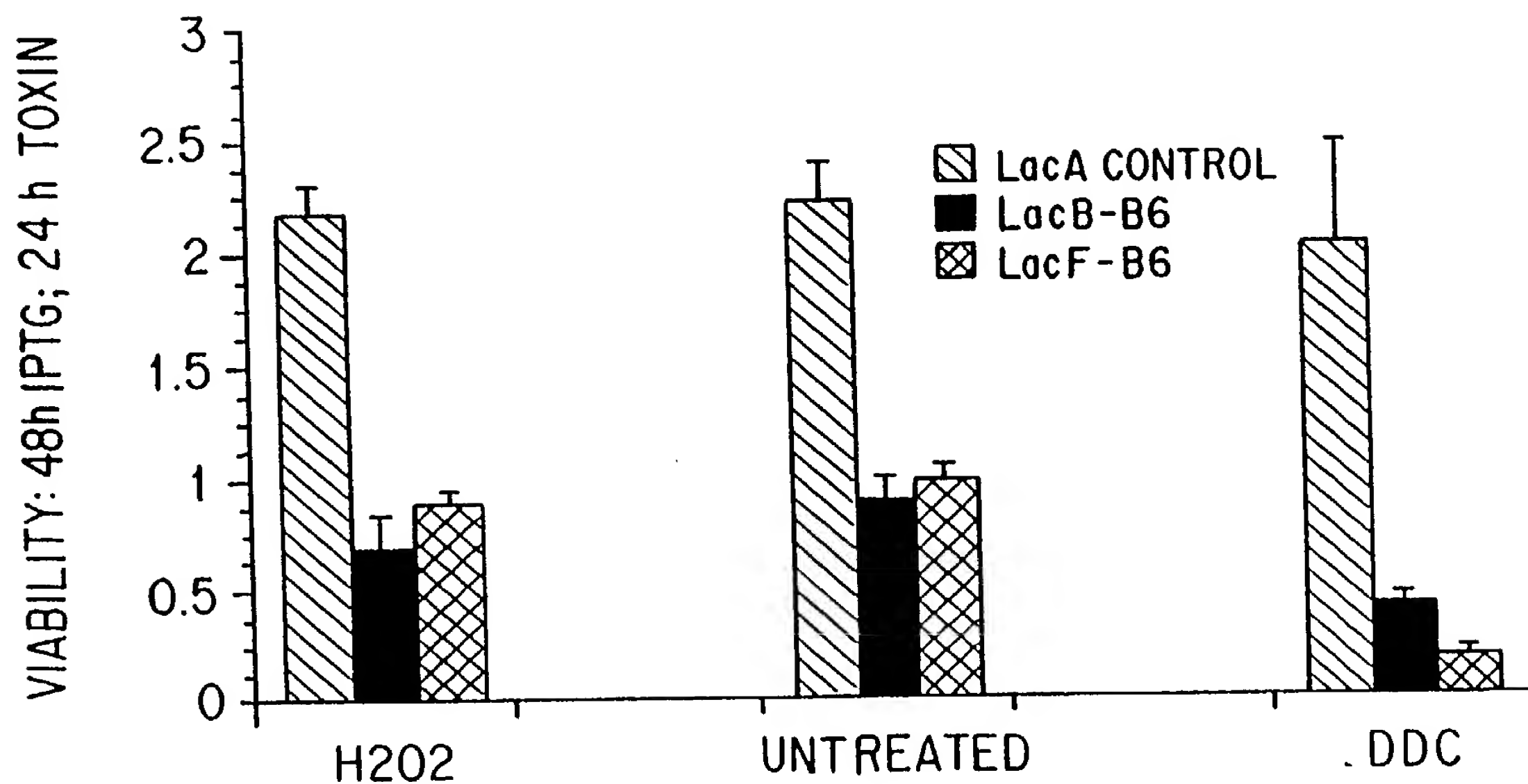


FIG. 10B

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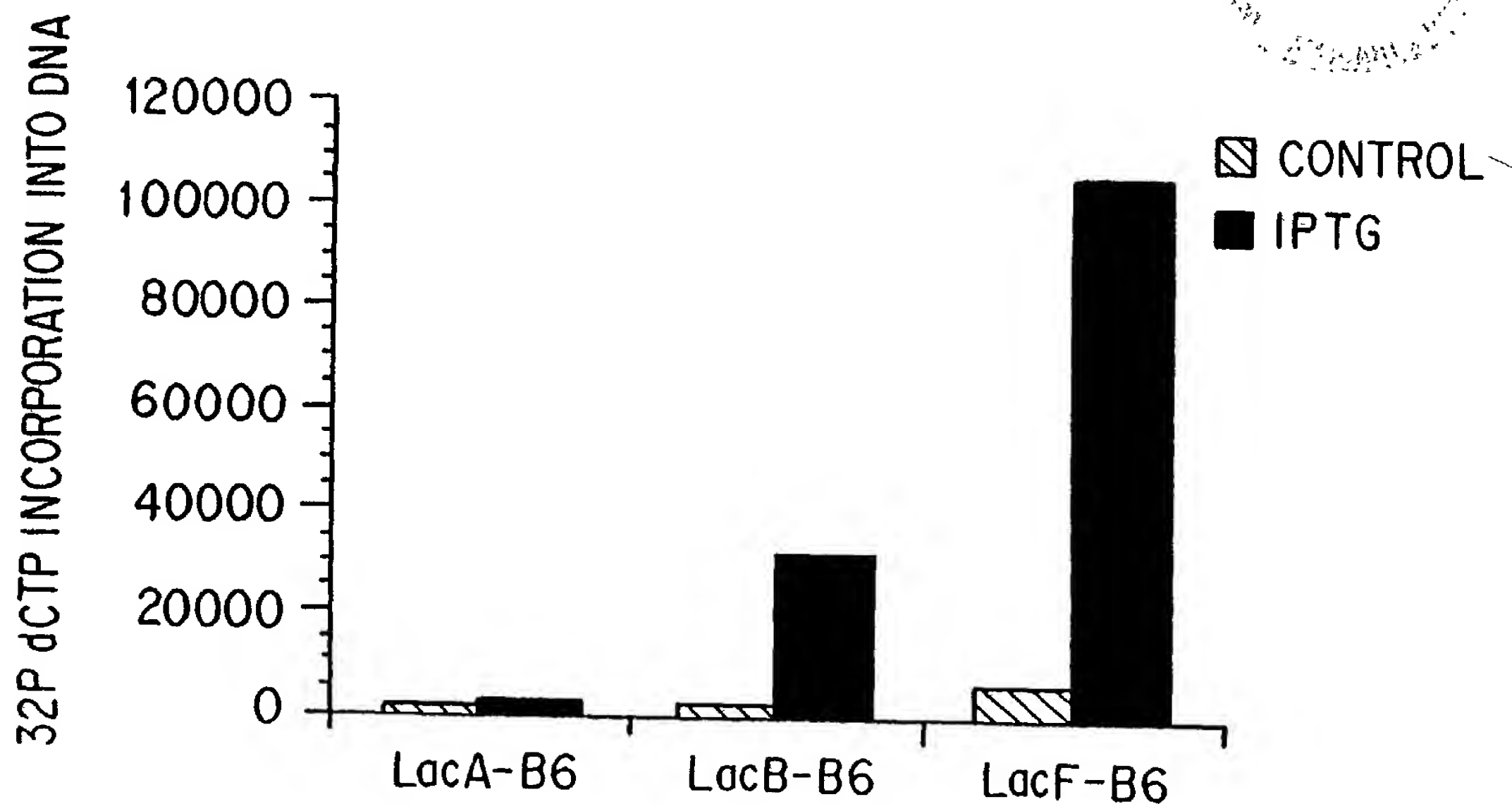


FIG. 11

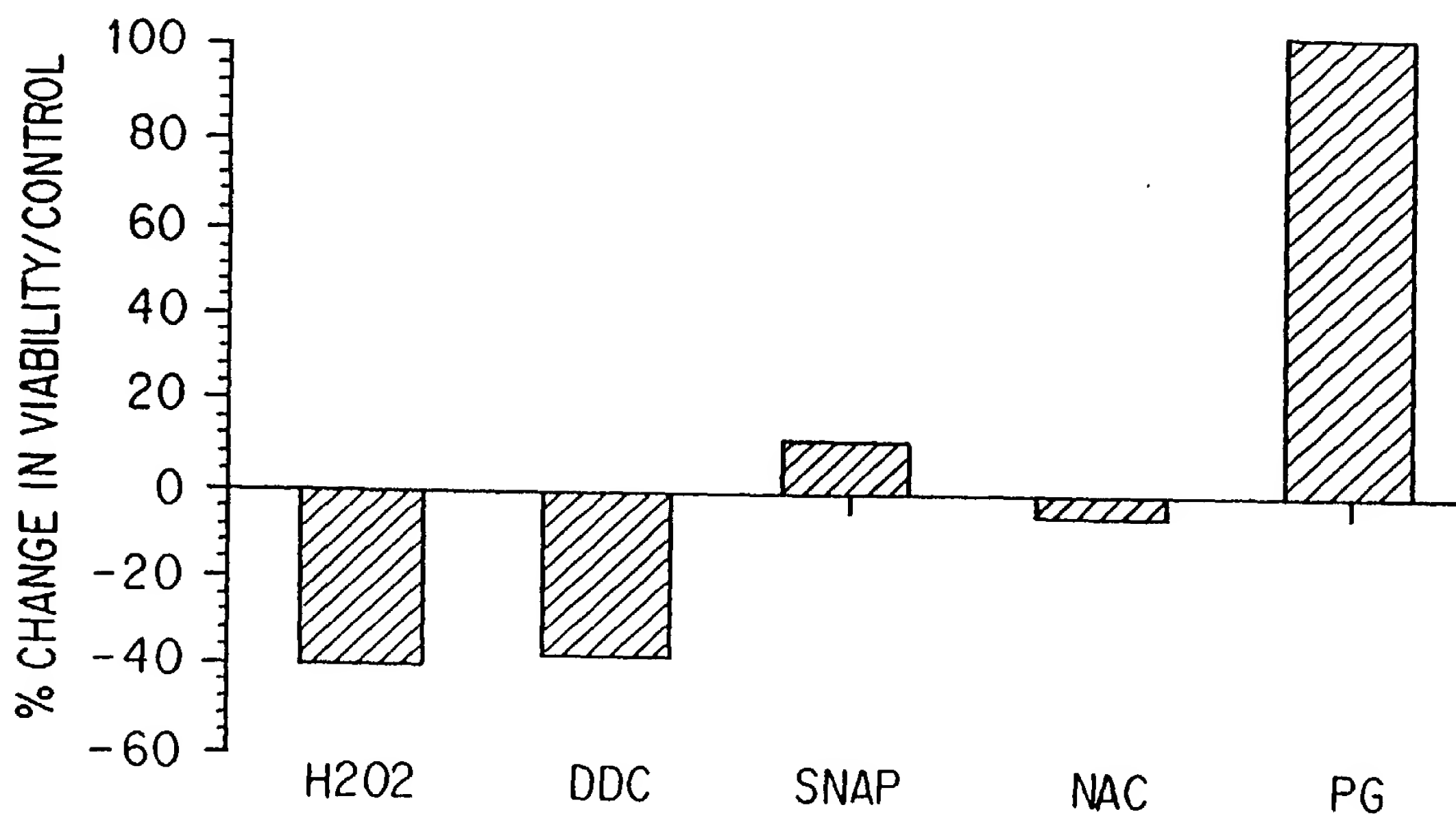


FIG. 12